Central Ohio Technical College

2011-2012 Academic Year

Plan of Study for the Associate of Applied Science Degree in

Electronics Engineering Technology

Datatel Program Code	EET.AAS
COTC Major Number	003030
CIP Code	15.0303

In Autumn 2012, Central Ohio Technical College will convert from the Quarter system (4 quarters per academic year) to the Semester system (2 Semesters and 1 Summer Session per academic year). Students entering COTC in Summer 2011, Autumn 2011, Winter 2012, Spring 2012, or Summer 2012 will begin their program in Quarters.

COTC makes the following three guarantees to all students who will transition from the quarter system into the semester system:
1) No loss of academic progress; 2) No delay in time to degree completion/graduation; and 3) No increase in total tuition and fees expended for the degree system to the program.

If transitioning from the Quarter to the Semester system, please visit the COTC "Think Semesters" web page
(http://www.cotc.edu/ThinkSemesters/Pages/default.aspx)
regularly for updates and for important additional information.
Students should meet with their Academic Advisor to map out individual paths to their degree.

A grade of C (2.00) or better is required for all Electronics Engineering Technology courses listed as prerequisites for advanced courses.					
KEY:	* Indicates this course has a prerequisite; please see the Course Description Section on the COTC Web Page				
	** Indicates there will be no equivalent for this course in the Semester system; please see Academic Advisor				
	NT - Indicates this course fulfils a Non-Technical Course Requirement in this Plan of Study				
	NT Elec - Indicates Elective Choice in the Non-Technical course requirement category				
	T - Indicates this course fulfils a Technical Course Requirement in this Plan of Study				
	T Elec - Indicates Elective Choice in the Technical course requirement category				

YEAR 1 2011-2012 (Quarter System)						
Course Name	Course Title	Course Credit Hours	Tech, Non-tech or Elective	Quarter(s) Course Offered	Equivalent Semester Course	Equivalent Semester Cr Hrs
QUARTER 1						
COM-1535	Composition I	4.00	NT	SM,AU,WI,SP	ENGL-110	3.00
CMP-1601	Principles of Computing	1.00	NT	SM,AU,WI,SP	None**	-----
DDT-3706	Introduction to CAD	2.00	NT	AU	Part of ARCH-110	2.00
MTH-1215	College Algebra	5.00	NT	SM,AU,WI,SP	MATH-140	3.00
	Technical Elective	3.00	T Elec		See Choices Below	
	Total Credit Hours	15.00				
QUARTER 2						
CMP-2596	Principles of Computer Programming	4.00	NT	SM,AU,WI,SP	CIT-105	3.00
COM-1525	Technical Writing	3.00	NT	SM,AU,WI,SP	None**	-----
EET-3028	Circuits I	4.00	Tech	WI	ENGRTCH-113	3.00
MTH-1226	Trigonometry	5.00	Non-Tech	SM,AU,WI,SP	MATH-110	3.00
	Non-Technical Elective - Arts and Humanities	3.00	NT Elec		See Choices Below	
	Total Credit Hours	19.00				
QUARTER 3						
EET-3132	Communications Electronics I	4.00	T	SP	Part of ENGRTCH-225	3.00
PHY-1726	Physics I - Mechanics	5.00	NT	SP	Part of PHYS-110	4.00
	Non-Technical Elective - Social & Behavioral Sciences	3.00	NT Elec		See Choices Below	
	Technical Elective	4.00	T Elec		See Choices Below	
	Total Credit Hours	12.00				
Non-Technical Electives - Arts & Humanities						
Total of 3 QUARTER Credit Hours from the Course Choices Listed Below Required to Complete this Degree						
BHS-1006	Critical Thinking	3.00	NT Elec	SM,AU,WI,SP	PHIL-100	3.00
BHS-1030	Reasoning Skills	4.00	NT Elec	SM,AU,WI,SP	None**	-----
BHS-1340	Ethics	3.00	NT Elec	SM,AU,WI,SP	PHIL-200	3.00
Non-Technical Electives - Social and Behavorial Sciences						
Total of 3 QUARTER Credit Hours from the Course Choices Listed Below Required to Complete this Degree						
BHS-1376	General Psychology	5.00	NT Elec	SM,AU,WI,SP	PSYCH-100	3.00
BHS-1379	Cultural Diversity	3.00	NT Elec	SM,AU,WI,SP	SOC-110	3.00
BHS-1382	Sociology	3.00	NT Elec	SM,AU,WI,SP	SOC-100	3.00
BHS-1383	Psychology of Adjustment	5.00	NT Elec	SM,AU,WI,SP	None**	-----
BHS-1385	Organizational Psychology	3.00	NT Elec	SM,AU,WI,SP	PSYCH-230	3.00
Technical Electives						
Total of 7 QUARTER Credit Hours from the Course Choices Listed Below Required to Complete this Degree						
ACC-2113	Principles of Accounting - Financial	5.00	T Elec	AU	Part of ACCT-111	3.00
CMP-2564	Java Programming	4.00	T Elec	SP	CIT-140	3.00
CMP-2576	Visual Basic	4.00	T Elec	WI	CIT-130	3.00

The College Reserves the Right to Change Curricula Without Notice.

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	COTC Major Number	003030
	CIP Code	15.0303

Course Name	Course Title	Course Credit Hours	Tech, Non-tech or Elective	Semester(s) Course Offered	Equivalent Quarter Course	Equivalent Quarter Cr Hrs
YEAR 2 2012-2013 (Semester System)						
SEMESTER 1						
*ENGRTCH-213	Circuits II	3.00	T	AU	EET-3029	4.00
*ENGRTCH-235	Communications Electronics II	3.00	T	AU	EET-3152	3.00
*ENGRTCH-241	Digital Electronics I	3.00	T	AU	EET-3154	4.00
*PHYS-111	Physics II - Electricity & Magnetism	4.00	NT	AU	PHY-1727 & PHY-1728	5.00 & 5.00
	Technical Elective	3.00	T Elec	See Choices Below		
	Total Credit Hours	16.00				
SEMESTER 2						
*ENGRTCH-251	Digital Electronics II	3.00	T	SP	EET-3164 & EET-3167	4.00 & 4.00
*ENGRTCH-267	Linear Integrated Circuits	3.00	T	SP	EET-3133 & EET-3144	4.00 & 4.00
*ENGRTCH-279	Electronics Design Capstone	3.00	T	SP	EET-3185	3.00
SPCH-205	Public Speaking	3.00	NT	SM,AU,SP	COM-1504	3.00
	Technical Elective	3.00	T Elec	See Choices Below		
	Total Credit Hours	15.00				
Technical Electives						
Total of 6 SEMESTER Credit Hours from the Course Choices Listed Below Required to Complete this Degree						
ACCT-111	Financial Accounting	3.00	T Elec	AU	ACC-2113 & ACC-2114	5.00 & 5.00
*CIT-130	Visual Basic	3.00	T Elec		CMP-2576	4.00
*CIT-140	Java Programming	3.00	T Elec		CMP-2564	4.00
*CIT-205	Advanced C++	3.00	T Elec	SP	CMP-2587	4.00
*ENGRTCH-260	Electric Motors	3.00	T Elec	SP	EMT-3244	4.00
ENGRTCH-212	HVAC Systems	3.00	T Elec	SP	EMT-3202	3.00
ENGRTCH-197-198	Special Topics in Engineering Technology	0.50-3.00	T Elec		New Semester Course	-----
ENGRTCH-297-298	Special Topics in Engineering Technology	0.50-3.00	T Elec		New Semester Course	-----